EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	242	(548/340.1).CCLS.	USPAT; DERWENT	OR	OFF	2007/12/31 12:31
L2	6	(("6069251") or ("5405988") or ("4939130")).PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:34
L3	8	(("6875757") or ("7060697") or ("7064217") or ("7241790")).PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:42
L4	2	("20040224941").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/31 12:43
L5	2	("20050032744").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/31 12:45
L6	2	("20050023386").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/31 12:47
L10	1	("20050107447").PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:49
L11	1	("20060135786").PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:51
L12	1	("20060223866").PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:53
L13	1	("20070088002").PN.	USPAT; DERWENT	OR	OFF	2007/12/31 12:54

31/12/2007,10578216a.trn

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 4	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 5	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7	AUG 27	USPATOLD now available on STN
NEWS 8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10	SEP 13	FORIS renamed to SOFIS
NEWS 11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 12	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 13	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16	OCT 19	BEILSTEIN updated with new compounds
NEWS 17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 18	NOV 19	WPIX enhanced with XML display format
NEWS 19	NOV 30	ICSD reloaded with enhancements
NEWS 20	DEC 04	LINPADOCDB now available on STN
NEWS 21	DEC 14	BEILSTEIN pricing structure to change
NEWS 22	DEC 17	USPATOLD added to additional database clusters
NEWS 23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 24	DEC 17	DGENE now includes more than 10 million sequences
NEWS 25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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31/12/2007,10578216a.trn

NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:00:49 ON 31 DEC 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:01:15 ON 31 DEC 2007
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STRUCTURE FILE UPDATES: 30 DEC 2007 HIGHEST RN 959750-30-2
DICTIONARY FILE UPDATES: 30 DEC 2007 HIGHEST RN 959750-30-2

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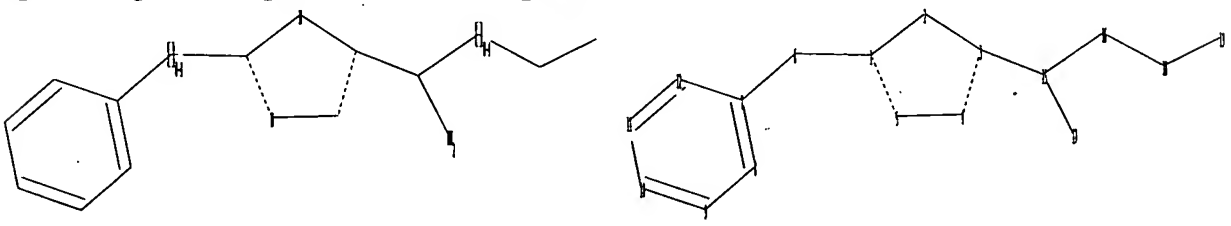
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10578216.str



chain nodes :
6 15 16 17 18 19
ring nodes :
1 2 3 4 5 7 8 9 10 11 12

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chain bonds :
1-6  3-15  6-7  15-16  15-17  16-18  18-19
ring bonds :
1-2  1-5  2-3  3-4  4-5  7-8  7-12  8-9  9-10  10-11  11-12
exact/norm bonds :
1-2  1-5  2-3  3-4  4-5  15-17
exact bonds :
1-6  3-15  6-7  15-16  16-18  18-19
normalized bonds :
7-8  7-12  8-9  9-10  10-11  11-12
isolated ring systems :
containing 1 : 7 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  15:CLASS  16:CLASS  17:CLASS  18:CLASS  19:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                STR
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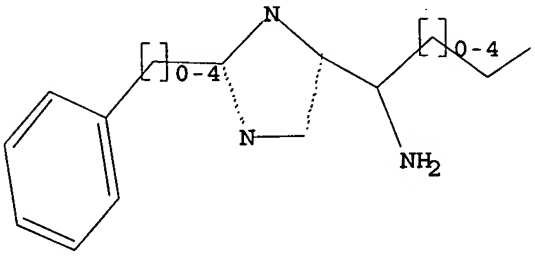


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Structure attributes must be viewed using STN Express query preparation.


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SAMPLE SEARCH INITIATED 11:01:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       85 TO ITERATE

100.0% PROCESSED       85 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          1147 TO     2253
PROJECTED ANSWERS:                0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 11:01:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1463 TO ITERATE

100.0% PROCESSED     1463 ITERATIONS                                6 ANSWERS
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31/12/2007,10578216a.trn

SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 172.10 172.31

FILE 'HCAPLUS' ENTERED AT 11:01:43 ON 31 DEC 2007
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FILE COVERS 1907 - 31 Dec 2007 VOL 148 ISS 1
FILE LAST UPDATED: 30 Dec 2007 (20071230/ED)

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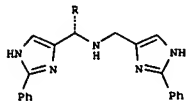
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 3 L3

=> d ed abs ibib hitstr tot

L4 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 02 May 2006
GI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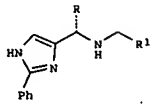

II

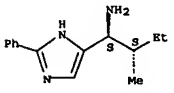
AB Nonracemic imidazolemethanamines I (R = Me, Me2CH, Me2CHCH2, PhCH2) and II
(R = Me2CH, Me2CHCH2, PhCH2; R1 = 2-pyridinyl, 2-HOC6H4) are prepared as tridentate ligands for copper-catalyzed Henry reactions of nitromethane with benzaldehyde or 4-nitrobenzaldehyde. Reductive amination of nonracemic imidazolemethanamines with aldehydes using either palladium-catalyzed hydrogenation or condensation and reduction of the imine
intermediates yields the title compds. The ligands prepared exhibit strong
hydrogen bonding in d6-DMSO solution, resulting in hindered imidazole tautomerism. In the presence of I (R = Me, Me2CH, Me2CHCH2, PhCH2) and II
(R = Me2CH, Me2CHCH2, PhCH2; R1 = 2-pyridinyl, 2-HOC6H4) and copper (II) salts such as copper (II) 4-methoxybenzoate, benzaldehyde or 4-nitrobenzaldehyde undergo Henry reactions with nitromethane to give (S)-4-O2NC6H4CH(OH)CH2NO2 or (S)-PhCH(OH)CH2NO2 [or, in one case, (R)-4-O2NC6H4CH(OH)CH2NO2] in 54-96% yields and in 8-32% ee. The Henry reactions of nitromethane and either benzaldehyde or 4-nitrobenzaldehyde in the presence of nonracemic imidazolemethanamines and copper (II) salts is optimized on temperature, stoichiometry, solvent, and the copper source.
Attempted Henry reaction of acetophenone and nitromethane in the presence of a copper (II) salt and a nonracemic bidentate imidazolemethanamine gives no product.

ACCESSION NUMBER: 2006:398391 HCAPLUS
DOCUMENT NUMBER: 145:83270
TITLE: Novel nitrogen ligands based on imidazole derivatives and their application in asymmetric catalysis
AUTHOR(S): Bures, Filip; Szotkowski, Tomas; Kulhanek, Jiri; Pytela, Oldrich; Ludwig, Miroslav; Holcapek, Michal
CORPORATE SOURCE: Department of Organic Chemistry, University of Pardubice, Pardubice, 53210, Czech Rep.
SOURCE: Tetrahedron: Asymmetry (2006), 17(6), 900-907
CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 145:83270
IT 852248-41-0
RL: CAT (Catalyst use); USES (Uses)

L4 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

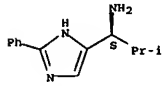
L4 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(comparison of nonracemic imidazolemethanamines and a nonracemic imidazolylpyrrolidine as ligands in copper-catalyzed enantioselective Henry reactions of benzaldehydes and nitromethane)
RN 852248-41-0 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-[(1S)-1-methylpropyl]-2-phenyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



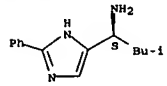
IT 852248-38-5 852248-40-9
RL: CAT (Catalyst use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)
(preparation of nonracemic imidazolemethanamines by reductive amination of
nonracemic imidazolemethanamines with aldehydes and their use as ligands for copper-catalyzed enantioselective Henry reactions)
RN 852248-38-5 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-(1-methylethyl)-2-phenyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 852248-40-9 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-(2-methylpropyl)-2-phenyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

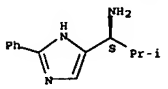


REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 28 Mar 2005
AB A route to the preparation of enantiopure ligands based on a 2-phenylimidazole
ring is described. The stereogenic center is placed into the chain bonded
to the fourth carbon of the imidazole ring. The synthesis starts from inexpensive and readily available N-protected α-amino acids, as the source of chirality, which are converted into appropriate α-diazo ketones and, subsequently, into α-bromo ketones. These α-bromo ketones are good precursors for reactions with amidines to provide the imidazole ring. The deprotection into the final products was carried out using hydrogen.

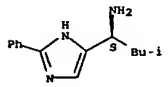
ACCESSION NUMBER: 2005:263751 HCAPLUS
DOCUMENT NUMBER: 143:7647
TITLE: Chiral imidazole derivatives synthesis from enantiopure N-protected α-amino acids
AUTHOR(S): Bures, Filip; Kulhanek, Jiri
CORPORATE SOURCE: Department of Organic Chemistry, University of Pardubice, Pardubice, 53210, Czech Rep.
SOURCE: Tetrahedron: Asymmetry (2005), 16(7), 1347-1354
CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 143:7647
IT 852248-38-5P 852248-40-9P,852248-41-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of chiral imidazole derivs. from enantiopure N-protected α-amino acids)
RN 852248-38-5 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-(1-methylethyl)-2-phenyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 852248-40-9 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-(2-methylpropyl)-2-phenyl-, (αS)- (9CI) (CA INDEX NAME)

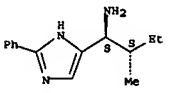
Absolute stereochemistry. Rotation (+).



RN 852248-41-0 HCAPLUS
CN 1H-Imidazole-4-methanamine, α-[(1S)-1-methylpropyl]-2-phenyl-,

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

	Suoming; Zhao, He; Chenard, Bertrand L.; Gao, Yang; Han, Bingsong; He, Xiao Shu
PATENT ASSIGNEE(S):	Neurogen Corporation, USA
SOURCE:	PCT Int. Appl., 356 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

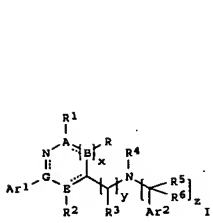
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003082829	A1	20031009	WO 2003-US9938		20030328
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2480888	A1	20031009	CA 2003-2480888		20030328
AU 2003228419	A1	20031013	AU 2003-228419		20030328
US 2004116424	A1	20040617	US 2003-405989		20030328
US 7186734	B2	20070306			
EP 1490343	A1	20041229	EP 2003-726169		20030328
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
CN 1646497	A	20050727	CN 2003-807529		20030328
JP 2005528368	T	20050922	JP 2003-580297		20030328
BR 2003008721	A	20070109	BR 2003-8721		20030328
MX 2004PA09419	A	20050125	MX 2004-PA9419		20040928
US 2007208048	A1	20070906	US 2007-680865		20070301
PRIORITY APPLN. INFO.:			US 2002-369112P	P	20020329
			US 2002-392145P	P	20020626
			US 2003-405989	A3	20030328
			WO 2003-US9938	W	20030328

OTHER SOURCE(S): MARPAT 139:307760
IT 610286-31-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of new aryl imidazoles and related compds. as C5a receptor modulators)
RN 610286-31-2 HCAPLUS
CN 1H-Imidazole-5-methanamine, α,1-dibutyl-2-phenyl-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 10 Oct 2003
GI



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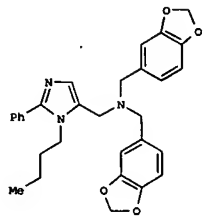
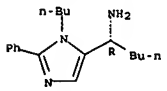


II

AB The title imidazoles, pyrazoles, pyridizines [I; the ring system in the formula I = 5-membered heteroaryl ring system (in which x = 0, A = C, N, O, S, and B and G = C, N, provided that the 5-membered heteroaryl ring system does not contain more than 3 heteroatoms or more than 1 O or S atom) or 6-membered heteroaryl ring system (in which x = 1, A, B, E, and G = C, N, and provided that the 6-membered heteroaryl ring system does not contain more than 3 N atoms); R, R1 = H, OH, halo, etc.; when E = N, then R2 = alkyl, alkenyl, CH2Ph, etc.; when E = C, then R2 = H, halo, OH, etc.; R3 = H, alkyl, alkenyl, etc.; R4 = alkyl, alkenyl, cycloalkyl, etc.; R5, R6 = H, alkyl; z = 1-3; Ar1 = (un)substituted aryl, heteroaryl, Ph fused to 5-7 membered (un)saturated ring that has 0-2 ring atoms chosen from N, O, and S; Ar2 = cycloalkyl, cycloalkylalkyl, aryl having 1 ring or 2 fused or pendant rings, etc.; y = 1-6] which are ligands of C5a receptors, were prepared and formulated. E.g., a multi-step synthesis of II (starting from Me benzimidate hydrochloride and 1-butylamine), was given. Preferred compds. I bind to C5a receptors with high affinity (biol. data given) and exhibit neutral antagonist or inverse agonist activity at C5a receptors. This invention also relates to pharmaceutical compns. comprising such compds. It further relates to the use of such compds. in treating a variety of inflammatory and immune system disorders.

ACCESSION NUMBER:	2003:796668 HCAPLUS
DOCUMENT NUMBER:	139:307760
TITLE:	Preparation of new aryl imidazoles and related compounds as C5a receptor modulators
INVENTOR(S):	Luke, George P.; Maynard, George; Mitchell, Scott; Thurkauf, Andrew; Xie, Linghong; Zhang, Luyan; Zhang,

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

31/12/2007,10578216a.trn

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.41	190.72

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:02:01 ON 31 DEC 2007